

Title (en)
Refrigeration systems.

Title (de)
Kälteanlagen.

Title (fr)
Systèmes de réfrigération.

Publication
EP 0541343 A1 19930512 (EN)

Application
EP 92310080 A 19921103

Priority
US 78723391 A 19911104

Abstract (en)
A household refrigerator (10) includes a refrigerant circuit having a compressor (23), a condenser (22) receiving refrigerant from the compressor (23) and a phase separator (27) receiving refrigerant from the condenser (22). The portion of the phase separator which contains liquid refrigerant is connected to the inlet of the freezer evaporator, the outlet of which is connected to the compressor. That portion of the phase separator which contains vapour refrigerant is connected to the compressor. The fresh food evaporator is connected to the phase separator to receive liquid refrigerant from the phase separator and to return vapor refrigerant to the phase separator. <IMAGE>

IPC 1-7
F25B 5/00; **F25D 11/02**

IPC 8 full level
F25B 1/00 (2006.01); **F25B 1/10** (2006.01); **F25B 5/02** (2006.01); **F25B 40/00** (2006.01); **F25D 11/02** (2006.01)

CPC (source: EP US)
F25B 1/10 (2013.01 - EP US); **F25B 5/02** (2013.01 - EP US); **F25B 40/00** (2013.01 - EP US); **F25D 11/025** (2013.01 - EP US); **F25B 2400/13** (2013.01 - EP US); **F25B 2400/23** (2013.01 - EP US); **F25B 2700/04** (2013.01 - EP US); **F25D 2400/04** (2013.01 - EP US)

Citation (search report)
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• [Y] US 4745777 A 19880524 - MORISHITA ETSUO [JP], et al
• [Y] GB 639691 A 19500705 - BRITISH THOMSON HOUSTON CO LTD
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Designated contracting state (EPC)
DE ES FR GB IT SE

DOCDB simple family (publication)
US 5191776 A 19930309; CA 2080220 A1 19930505; DE 69208025 D1 19960314; DE 69208025 T2 19960919; EP 0541343 A1 19930512; EP 0541343 B1 19960131; ES 2083107 T3 19960401; JP 3343142 B2 20021111; JP H05223370 A 19930831

DOCDB simple family (application)
US 78723391 A 19911104; CA 2080220 A 19921008; DE 69208025 T 19921103; EP 92310080 A 19921103; ES 92310080 T 19921103; JP 29250792 A 19921030